Future Flight Design			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	LA	SCI.5.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Air Transportation Problem	LA	SCI.5.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Air Transportation Problem	LA	SCI.5.SI.19	Communicate ideas in a variety of ways (e.g., symbols, illustrations, graphs, charts, spreadsheets, concept maps, oral and written reports, equations)
Aircraft Design Problem	LA	SCI.5.SI.4	Design, predict outcomes, and conduct experiments to answer guiding questions
Aircraft Design Problem	LA	SCI.5.SI.33	Evaluate models, identify problems in design, and make recommendations for improvement
Aircraft Design Problem	LA	SCI.5.PS.9	Demonstrate a change in speed or direction of an object's motion with the use of unbalanced forces
Future Flight Design			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	LA	SCI.6.SI.7	Record observations using methods that complement investigations (e.g., journals, tables, charts)
Air Transportation Problem	LA	SCI.6.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Air Transportation Problem	LA	SCI.6.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Air Transportation Problem	LA	SCI.6.SI.19	Communicate ideas in a variety of ways (e.g., symbols, illustrations, graphs, charts, spreadsheets, concept maps, oral and written reports, equations)
Air Transportation Problem	LA	SCI.6.SI.37	Critique and analyze their own inquiries and the inquiries of others
Aircraft Design Problem	LA	SCI.6.SI.4	Design, predict outcomes, and conduct experiments to answer guiding questions

Aircraft Design Problem	LA	SCI.6.SI.33	Evaluate models, identify problems in design, and make recommendations for improvement
Aircraft Design Problem	LA	SCI.6.PS.20	Draw and label a diagram to represent forces acting on an object
Aircraft Design Problem	LA	SCI.6.PS.22	Demonstrate that an object will remain at rest or move at a constant speed and in a straight line if it is not subjected to an unbalanced force
Future Flight Design			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	LA	SCI.7.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Air Transportation Problem	LA	SCI.7.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Air Transportation Problem	LA	SCI.7.SI.19	Communicate ideas in a variety of ways (e.g., symbols, illustrations, graphs, charts, spreadsheets, concept maps, oral and written reports, equations)
Air Transportation Problem	LA	SCI.7.SI.37	Critique and analyze their own inquiries and the inquiries of others
Aircraft Design Problem	LA	SCI.7.SI.33	Evaluate models, identify problems in design, and make recommendations for improvement
Future Flight Design			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Air Transportation Problem	LA	SCI.8.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Air Transportation Problem	LA	SCI.8.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Air Transportation Problem	LA	SCI.8.SI.19	Communicate ideas in a variety of ways (e.g., symbols, illustrations, graphs, charts, spreadsheets, concept maps, oral and written reports, equations)
Air Transportation Problem	LA	SCI.8.SI.37	Critique and analyze their own inquiries and the inquiries of others

Aircraft Design Problem	LA	SCI.8.SI.33	Evaluate models, identify problems in design, and make recommendations for improvement